

WHAT IS CLAIMED IS:

1. A USB data processing card, comprising:

at least one set of USB signals, for transmitting data;

5 a controller and a memory unit, for selectively writing a processed data into a memory unit and transmitting the data in said memory unit to the interface; and

an encryption unit, for providing a encrypting capability to said controller and a data protection function.

10 2. The USB data processing card of claim 1, wherein said memory unit has at least one memory device.

3. The USB data processing card of claim 1, wherein said controller and said encryption unit are integrated into a one chip.

4. The USB data processing card of claim 1, wherein said controller and said memory unit are integrated into a one chip.

15 5. The USB data processing card of claim 1, further comprising a random number generator for generating a key for data encryption or protection.

6. The USB data processing card claim of 1, wherein said encryption unit provides a computation selected from a collection of a symmetric key algorithm, an asymmetric key algorithm, or hash algorithm.

20 7. The USB data processing card of claim 1, wherein said memory unit is divided into a plurality of blocks including a reserved block in which users are not allowed to read, write, delete, modify data, or format card or this block.

8. The USB data processing card of claim 7, further providing an appropriate program that allows the specific user to read, write, delete, modify data, or format
25 block in said reserved block.

9. The USB data processing card of claim 1, wherein said data processing

card is designed with an intelligent stick structure.